INTERNATIONAL SEARCH REPORT

PCT/IB2004/051303

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G11B20/00 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 G11B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Category 9 Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X US 2003/091186 A1 (FONTIJN WILHELMUS 1-3,5-13 FRANSISCUS J ET AL) 15 May 2003 (2003-05-15) paragraphs '0003! - '0019! paragraphs '0021!, '0022! Y paragraph '0024! paragraph '0026! paragraph '0036! - paragraph '0054! paragraph '0057! figures 1-5 figure 7 Y US 5 930 358 A (RAO MAHESH CHANDRA) 27 July 1999 (1999-07-27) column 8, line 37 - line 52 figure 2 -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the International filing date or priority date and not in conflict with the application but *A* document defining the general state of the art which is not cited to understand the principle or theory underlying the considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to Involve an inventive step when the document is combined with one or more other such docu-*O* document referring to an oral disclosure, use, exhibition or other means ments, such combination being obvious to a person skilled in the art. *P* document published prior to the International filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 29 November 2004 08/12/2004 Name and mailing address of the ISA **Authorized officer** European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Barel-Faucheux, C

INTERNATIONAL SEARCH REPORT

PCT/IB2004/051303

Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Delevent to delev No		
Calegory *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	EP 1 327 981 A (SONY CORP) 16 July 2003 (2003-07-16) paragraph '0004! - paragraph '0006! paragraph '0009! paragraph '0053! - paragraph '0055! figures 3,8	1-13		
A	US 2002/199099 A1 (HAYASHI SHIGEKAZU ET AL) 26 December 2002 (2002-12-26) paragraph '0106! - paragraph '0107! paragraph '0222! - paragraph '0251! figures 7,8	1-13		
A	US 2003/117920 A1 (FURUKAWA SHUNSUKE ET AL) 26 June 2003 (2003-06-26) paragraphs '0129!, '0130! figures 8,9	1-13		
A	EP 0 720 166 A (FUJITSU LTD) 3 July 1996 (1996-07-03) column 6, line 33 - line 49 figure 6	1-13		
Α	EP 1 058 254 A (MATSUSHITA ELECTRIC IND COLTD) 6 December 2000 (2000-12-06) paragraph '0047! - paragraph '0052! figures 4,5,37,38	1-13		
A	EP 1 008 989 A (SONY CORP) 14 June 2000 (2000-06-14) paragraph '0058! paragraphs '0108!, '0109! figure 11	1-13		

INTERNATIONAL SEARCH REPORT

PCT/IB2004/051303

Patent document cited in search report			Publication date	Patent family member(s)			Publication date
US	2003091186	A1	15-05-2003	EP	1440439	A1	28-07-2004
				WO	03034425		24-04-2003
US	5930358	Α	27-07-1999	US	5812883		22-09-1998
				JP	2000500599		18-01-2000
				WO	9719406	A1	29-05-1997
EP	1327981	Α	16-07-2003	JP	2003208755		25-07-2003
				CN	1431638		23-07-2003
				EP	1327981		16-07-2003
				US	2003151991	A1	14-08-2003
US 	2002199099	A1	26-12-2002	JP	2002132585	Α	10-05-2002
US	2003117920	A1	26-06-2003	JP	2002140082		17-05-2002
				JP	2002140863		17-05-2002
				CN	1401119		05-03-2003
				DE	10194725		05-06-2003
				WO	0237493	A1 	10-05-2002
EP	0720166	Α	03-07-1996	CN	1131852	A ,B	25-09-1996
				DE	69529887		17-04-2003
				DE	69529887		20-11-2003
				EP JP	0720166 8273296		03-07-1996
				KR	218995		18-10-1996 01-09-1999
				US	5812663		22-09-1998
EP	1058254	Α	06-12-2000	CN	1355919		26-06-2002
				DE	60011958		12-08-2004
				EP	1058254		06-12-2000
				EP	1450362		25-08-2004
				WO	0067257		09-11-2000
				JP JP	2001189015		10-07-2001
				JP	3169366 2001189021		21-05-2001
				TW	540039		10-07-2001 01-07-2003
EP	1008989	Α	14-06-2000	JP	2000232441	Α	22-08-2000
ΕP	1000303	••	- : 33 -333	ĒΡ	1008989		14-06-2000